

OGDEN ARSENAL, MAGAZINE  
(OGDEN ARSENAL, BUILDING 1564)  
(OGDEN ARSENAL, BOMB STORAGE BUILDING)  
(OGDEN ARSENAL, MUNITIONS STORAGE BUILDING)  
6097 Jonquil Lane  
Layton Vicinity  
Davis County  
Utah

HAER No. UT-84-AF

HAER  
UTAH  
6-LAY.V,  
1AF-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD  
Rocky Mountain System Support Office  
National Park Service  
P.O. Box 25287  
Denver, Colorado 80225-0287

# HISTORIC AMERICAN ENGINEERING RECORD

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**Location:** 6097 Jonquil Lane, Hill Air Force Base, Layton Vicinity, Davis County, Utah

**UTM:** 12-414980-4553700

**Date of Construction:** 1939

**Architect:** Unknown

**Builder:** Unknown

**Present Owner:** Hill Air Force Base

**Present Use:** Munitions Storage

**Significance:** Building 1564 was used to store bombs that were manufactured at Ogden Arsenal in the months before World War II, and it provides vivid insight into the processes involved in the manufacture and storage of munitions. In addition, this building contributes to an understanding of the U.S. Army build-up which occurred on the eve of and during World War II.

**History:** The introduction of various types of ammunition manufacture at Ogden Arsenal during World War II necessitated the construction of many new buildings which took various forms as related to their specific functions within the overall manufacture and storage processes. Building 1564 is one of several standard service magazines designed for general military use by engineers at the Picatinny Arsenal. These buildings were designed to store high explosives like primers, fuzes, and completed shells. Completed 100 pound Amatol/TNT bombs that were manufactured in the nearby Bomb Loading Plant were stored in Building 1564.

Building 1564 was positioned along existing railroad tracks to facilitate the shipment of bombs. The concrete frame and hollow tile infill walls of Building 1564 were designed to fall outward in the event of an explosion. Like other buildings which stored volatile materials at Ogden Arsenal, this building has lightning aerals along the ridge of the roof. Periodic lightning drills were held during World War II to prepare workers for operations during stormy weather.

Building 1564 was built as part of the 1939 WPA reconstruction of the Arsenal after a 1927 windstorm destroyed most of the original buildings. Building 1564 is identical in design and function to Buildings 1554, 1556, 1558, 1560, 1562, 1566, and 1568 which are all aligned in a row.

During its history, Building 1564 was also known as Building 564, 302, 1302, and 1406.

#### **General**

**Description:** Building 1564 (110'-0" x 38'-0") is a one-story, gable-roofed building that is located in an isolated area near the original Bomb Loading Plant. The structure is elevated on concrete foundation walls with a railroad loading platform supported on the west side by concrete piers. The west elevation contains two riveted metal loading doors which are framed with concrete. The east elevation consists of four small windows with concrete lintels and sills (now boarded). The gabled roof overhangs slightly on all four sides, supported with exposed purlins. Six vents are integrated with the lightning aerals which form a continuous line across the roof ridge, with four small square vents located on the north and south sides and 12 vents on the east and west sides of the foundation walls. The original concrete steps and ramp have been removed.

